Ultra Pure GG

Low excipient probiotic

Orthoplex Ultra Pure GG contains the ATCC 53103 authenticated strain of Lactobacillus rhamnosus GG in its purest form, without additional carriers, to give you added prescribing confidence.

You might unknowingly think that all *Lactobacillus rhamnosus* GG strains are the same, and that's an easy assumption to make. It is clearly documented in the literature, however, that it is a vulnerable strain if not sourced or produced correctly - genetic alterations and the manufacturing process can create strain differences that can affect therapeutic properties and therefore, clinical outcomes.

Here at Bio Concepts we have taken considerable time and care to verify that Ultra Pure GG contains the exact strain authenticated, validated and derived from the American Type Culture Collection (ATCC). This is an important step, as most research and human clinical trials use this specific ATCC 53103 verified GG strain. This is why we spent over a year sourcing it, so you can be confident it will produce positive therapeutic results in diverse clinical situations.

Quality and purity standards:

When it comes to quality and purity, we know that you will only accept the very best. Unfortunately, many probiotics come with carriers. We searched the world, critiquing five different strains before finding the authenticated strain in its purest form, free from corn and other commonly used carriers. We provide full disclosure of all ingredients, including excipients, so you know exactly what you and your patients are taking.

Specifically formulated with:

- ✓ No Corn or corn-derived ingredients
- ✓ No GMO ingredients or excipients
- ✓ No Soy
- ✓ No Palm or palm-derived ingredients
- ✓ No Maltose
- ✓ No Dextrin
- ✓ No Gums
- ✓ No Titanium Dioxide
- ✓ No Talc
- ✓ No Sugars
- ✓ No Glycerin
- ✓ No Magnesium stearate
- ✓ No Gluten or wheat
- ✓ No Salicylates
- ✓ No Dairy or Lactose
- ✓ No Egg
- ✓ No Nuts, Tree Nuts or Peanuts
- ✓ No Yeast
- ✓ No Salt
- ✓ No Gelatin
- ✓ No Fish
- ✓ No Shellfish

Quality Assurance

- ✓ Vegan and vegetarian-friendly
- ✓ Suitable for patients seeking to avoid corn
- ✓ Suitable for all ages – infants, children, adults and elderly
- ✓ Suitable for pregnancy and lactation



AUST L 293588

Pack Size: 30 capsules and 60 capsules

Infants (0-12 months) and children (1 - 12 years): ½ - 1 capsule daily into liquid or solid food & consume immediately*

Pregnant women, adults (over 12 years old) & elderly: 1 capsule daily or as directed by your healthcare practitioner.

**For infant & child dosing open capsule & sprinkle onto food or mix into breast or formula milk.*

Storage: Store at 2ºC to 8ºC (REFRIGERATE. DO NOT FREEZE).

✓ Full disclosure of excipients in every formulation

Each Capsule Contains

Lactobacillus rhamnosus GG (ATCC 53103)	10 Billion CFU

Excipients

Microcrystalline cellulose, colloidal anhydrous silica, vegetable capsule (Vcaps®)

Indications

Contains *Lactobacillus rhamnosus* GG which:

- May reduce the frequency and severity of abdominal pain in children with medically diagnosed IBS
- May support the health of the respiratory system and help reduce minor infections of the upper respiratory tract
- Supports the health and function of the gastrointestinal system
- May assist with maintaining friendly bacteria following the use of antibiotic therapy
- May reduce the incidence of minor gastrointestinal disturbances
- Supports the health and function of the immune system
- May assist with the digestion and absorption of nutrients

Always read the label. Use only as directed. If symptoms persist consult your healthcare practitioner.

Technical Information

One of the world's most researched probiotic strains

A comprehensive literature review was conducted in the AMED, Medline, Cinahl, Pubmed and Cochrane databases, using search terms relating to *Lactobacillus rhamnosus* GG (ATCC 53103) and human placebo controlled clinical trials. Almost 300 publications were found, and any relevant information was used to determine the final dosage of the formulation and to document its diverse clinical applications and outcomes.

Formulation reflects researched strain culture number

Research shows the manufacturing process and production conditions have a significant impact on Lactobacillus rhamnosus GG strain properties which, in turn, can influence therapeutic outcomes. In addition, genetic alterations can occur with this strain that may impact its functionality. This reinforces the need for strict and rigorous quality assurance measures to ensure both the manufacturing and genetic makeup of the strain is reflected in the clinical studies.

At Bio Concepts, we have sourced the ATCC 53103 verified GG strain from a laboratory that is monitored and verified by the ATCC. This strain originates from the human intestinal microbiota and was first isolated in 1983 by Professor Sherwood Gorbach and Professor Barry Goldin. The ATCC houses and preserves the strains original genetic make up and ensures strict processes are followed from the mediums the strain is grown on, to how the strain is manufactured, handled and transported. Most research and human clinical trials use this strain sourced from the ATCC, so it can reliably be used to produce the same clinical outcomes as documented in the research.

The team here at Bio Concepts maintained strict attention to detail throughout the entire journey to ensure we included the authenticated and validated strain in the final formulation. We believe these extra measures are essential, so you can feel confident about the integrity and reliability of the final product.

Diverse clinical applications

Lactobacillus rhamnosus GG (ATCC 53103) has proven to deliver positive therapeutic results in a wide variety of clinical applications. It has proven to be particularly beneficial for infants and children, showing a significant reduction in the incidence of rhinitis, pharyngitis, sinusitis, otitis, the common cold and antibiotic associated diarrhoea. This is good news for parents and their children as it means less sick days, improved immune function, reduced antibiotic use and the associated impacts this has on GIT function.

Pure, clean design

We're passionate about purity. And who would have thought that probiotics could claim to have a pure, clean design? We searched the world and critiqued four of the best *Lactobacillus rhamnosus* GG probiotic supplements and found that none could meet the standard we have come to expect for our practitioners. The first three could not confirm it was from the authenticated ATCC 53103 collection, which did not satisfy us as this is the specific culture that all the research has been conducted on. The fourth verified the correct culture number, but contained a corn derived maltodextrin carrier. This again, did not make sense as the strain is so beneficial for atopy and for those needing to avoid commonly consumed allergens. Finally, we found the correct validated and authenticated strain, free from corn and other commonly used carriers, and it is with great pleasure we present it as Ultra Pure GG.

Fully disclosed low excipient probiotic

Ultra Pure GG only contains:

***Lactobacillus rhamnosus* GG (ATCC 53103):** World class, European derived probiotic, free from corn and other commonly used carriers.

Cellulose microcrystalline: Derived from the outer cell wall of fibrous plant material.



Colloidal anhydrous Silica: A form of the element silicon, similar to that found in skin and connective tissue.

Vegetable capsules (VCaps®): Produced from hypromellose, a cellulose material derived from softwood trees, grown and harvested from plantations in the southeastern United States.